


Electronic Filing System (EFS) Data
Electronic Patent Application Submission
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EFS ID: 20229
Application ID: 10065836
Title of Invention: TEMPERATURE SENSOR WITH
IMPROVED RESPONSE TIME
First Named Inventor: Allan Kotwicki
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-11-25
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 201-0304
Digital Certificate Holder: cn=Damian Porcari, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: tZAj8I5u40NrCYJpyqM9MA==
Total Fees Authorized: \$820.0
Payment Category: DA - Deposit Account
Deposit Account Number: 61510
Deposit Account Name: Sheri L. Charles



TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent
Filing

Attorney Docket
Number:

201 -
0304

TEMPERATURE SENSOR WITH IMPROVED RESPONSE TIME

First Named Inventor: Allan Joseph Kotwicki

SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Sheri Lynn Charles Electronic
Application Specialist

Electronic Signature Mark: /slc

Date Signed: 20021125

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration

consent.tif

declaration

declaration1of2.tif

declaration

declaration2of2.tif

declaration

ids1of2.tif

declaration	ids2of2.tif
bibd-transmittal	201-0304apds.xml
patent-assignments	201-0304asgn.xml
specification	specification.xml
fee-transmittal	201-0304fee.xml

Attached Image File(s):

consent.tif
declaration1of2.tif
declaration2of2.tif
ids1of2.tif
ids2of2.tif

Comments:

If insufficient funds in deposit account 06-1510, please charge deposit account 06-1505. IDS mailed under separate cover.

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D. C. 20231

Case Docket No. **201-0304**
Date: *November 25, 2002*

Sir:

Inventor(s):
Allan Kotwicki

For: **TEMPERATURE SENSOR WITH IMPROVED RESPONSE TIME**

The attorney or agent below has reviewed this application and its attachments and consents to electronic filing by the assignee.

Respectfully submitted:




Julia Voutyras
Attorney or Agent of Record
Registration No. 48,019
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Dearborn, MI 48126
Telephone: 313-390-4560

DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION					Attorney's Docket No. 201-0304												
<p>As a below named inventor, I hereby declare: My residence, post office address and citizenship are as stated below next to my name;</p> <p>I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is c and for which a patent is sought on the invention entitled</p> <p>TEMPERATURE SENSOR WITH IMPROVED RESPONSE TIME</p> <p>the specification of which is attached hereto.</p> <p>I have reviewed and understand the contents of the specification identified above, including the claims.</p> <p>I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of An prior to this application by me or my legal representatives or assigns,</p> <p style="margin-left: 40px;"> <input checked="" type="checkbox"/> no such applications have been filed, or <input type="checkbox"/> such applications have been filed as follows: <input type="checkbox"/> I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed </p>																	
COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119	<input type="checkbox"/> Additio provisiona application numbers i on a supp priority da PTO/SB/O attached t												
<p>I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this appl is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph o U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.5t became available between the filing date of the prior application and the national or PCT International filing date of this application.</p> <table style="width: 100%; border: none;"> <tr> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> </tr> <tr> <td style="text-align: center;">(Application Number)</td> <td style="text-align: center;">(Filing Date)</td> <td style="text-align: center;">(Status - patented, pending, abandoned)</td> </tr> </table> <table style="width: 100%; border: none;"> <tr> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> </tr> <tr> <td style="text-align: center;">(Application Number)</td> <td style="text-align: center;">(Filing Date)</td> <td style="text-align: center;">(Status - patented, pending, abandoned)</td> </tr> </table> <p>POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) along with Practitioners at Customer Number 022844 and, Edward Timmer - 27,402, as my/our attorney(s) or agent(s) to pro the application identified above, and to transact all business in the United States Patent and Trademark Office and all fore Patent Offices. (List name and registration number)</p>									(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)				(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)															
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)															

Address all correspondence and telephone calls to: , Customer Number 022844

Edward Timmer
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of any patent application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE
Allan Joseph Kotwicki 9618 Elk Lake Trail Williamsburg, MI 49690 US	Williamsburg, MI 49690 US	U.S.A	

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Alan J. KOTWICKI

Serial No.: [Application filed concurrently herewith]

Title: **TEMPERATURE SENSOR WITH IMPROVED RESPONSE TIME**

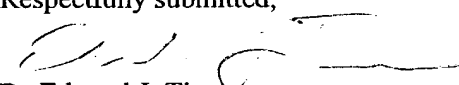
Docket No.: 201-0304

Information Disclosure StatementAssistant Commissioner for Patents
Washington, D.C. 20231

Sir:

PTO from 1449 is submitted herewith pursuant to the provisions of 37 CFR 1.97 and 1.98(a) as a means of complying with the requirements of 37 CFR 1.56 with respect to the above identified application. In accordance with Patent Office guidelines, copies of the citations listed on the PTO 1449 are enclosed.

Respectfully submitted,


By Edward J. Timmer
Attorney for Applicant
Reg. No. 27 402
Telephone: 616-353-8807Date: November 13, 2002

SHEET 1 OF 1

FORM PTO-1449 (Rev. 2-32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 201-0304	SERIAL NO. (to be assigned)
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT(S) Alan J. KOTWICKI	
		FILING DATE Herewith	GROUP (to be assigned)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	4,368,453	01/83	Herden et al.			
	4,418,329	11/83	Gruner			
	4,420,738	12/83	Rehmann et al.			
	4,453,835	06/84	Clawson et al.			
	4,556,327	12/85	Kalil et al.			
	5,887,338	03/99	Wildgen			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc)

	Eric C. Guyer, ed., <i>Handbook of Applied Thermal Design</i> , Taylor and Francis, Philadelphia, PA 1999
	Chapter 1, "Thermophysical Properties of Selected Engineering Materials," Table 1.4
	Eric C. Guyer, ed., <i>Handbook of Applied Thermal Design</i> , Taylor and Francis, Philadelphia, PA 1999
	Chapter 5, "Thermally Conductive Plastic," Table 5.1
	J.P. Homan, <i>Heat Transfer, Second Edition</i> McGraw-Hill, New York, 1968, Chapter 4, Unsteady Heat Conduction
	J.P. Homan, <i>Heat Transfer, Second Edition</i> McGraw-Hill, New York, 1968, Table A-2, "Property Values for Metals"
	Aremco Products, Inc., Product Data Sheets, web pages 23-26, printed off web October 2002

EXAMINER

DATE CONSIDERED

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 820

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510

Deposit Account Name: Ford Global Technologies, Inc.



Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Sheri L. Charles

Electronic Signature Mark: /slc

Date Signed: 20021125

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	1001	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 17	1202	\$ 18	0	\$ 0
Independent Claims: 3	1201	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 80